

IN THE CLAIMS:

Please amend the Claims as follows:

Claim 1, line 1, please change "transplanting" to -- extracting -- and delete "from a first scene to a second scene".

Claim 7, line 1, please change "transplanting" to -- extracting --,

Claim 17, line 1, please change "transplanting" to -- extracting -- and delete "from a first scene to a second scene".

Clean copies of the Claims as amended are provided below:

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A1

1. A system for extracting an image comprising:  
first means for providing image data;  
second means responsive to said first means for storing a first frame of image data consisting of a heterogeneous background scene;  
third means responsive to said first means for providing a second frame of image data consisting of a second scene having said background scene at least partially obscured by a foreground object; and  
fourth means responsive to said second and third means for processing said second frame to extract an image of said object independent of said background scene.

7. A system for extracting images comprising:

first means for providing image data;

second means responsive to said first means for storing a first frame of image data consisting of a heterogeneous background scene;

third means responsive to said first means for providing a second frame of image data consisting of a second scene having said background scene at least partially obscured by a foreground object;

fourth means for subtracting said first frame from said second frame and providing difference frame;

fifth means for processing said difference frame to provide a template; and

sixth means for multiplying said second frame by said template to extract an image consisting essentially of said foreground object.

17. An image processing method for extracting an image, said method including the steps of:

storing a first frame of image data consisting of a heterogeneous background scene;

providing a second frame of image data consisting of a second scene having said background scene at least partially obscured by a foreground object; and processing said second frame to extract an image of said object independent of said background scene.